

FORM PTO-1449
MODIFIEDU.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
204763SERIAL NO.
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BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Eberle et al.FILING DATE
09/12/03

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER'S INITIALS | | PATENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------------|----|------------------|------------|---------------------------|-------|----------|----------------------------------|
| <i>A. S.</i> | AA | 3,827,115 | 08/06/74 | Bom | | | |
| | AB | 3,938,502 | 02/17/76 | Bom | | | |
| | AC | 4,191,193 | 03/04/80 | Seo | | | |
| | AD | 4,211,949 | 07/08/80 | Briskin et al. | | | |
| | AE | 4,456,013 | 06/26/84 | De Rossi et al. | | | |
| | AF | 4,576,177 | 03/18/86 | Webster, Jr. | | | |
| | AG | 4,582,067 | 04/15/86 | Silverstein et al. | | | |
| | AH | 4,645,961 | 02/24/87 | Malsky | | | |
| | AI | 4,665,331 | 05/12/87 | Sudo et al. | | | |
| | AJ | 4,665,925 | 05/19/87 | Millar | | | |
| | AK | 4,704,774 | 11/10/87 | Fujii et al. | | | |
| | AL | 4,728,834 | 03/01/88 | Kumar et al. | | | |
| | AM | 4,734,963 | 04/05/88 | K. Ishiyama | | | |
| | AN | 4,794,931 | 01/03/89 | Yock | | | |
| | AO | 4,821,731 | 04/18/89 | Martinelli et al. | | | |
| | AP | 4,841,977 | 06/27/89 | Griffith et al. | | | |
| | AQ | 4,917,097 | 04/17/90 | Proudian, deceased et al. | | | |
| | AR | 4,951,677 | 08/28/90 | Crowley et al. | | | |
| | AS | 4,975,607 | 12/04/90 | Hara et al. | | | |
| | AT | 5,042,493 | 08/27/91 | Saito et al. | | | |
| | AU | 5,044,053 | 09/03/91 | Kopel et al. | | | |
| | AV | 5,046,503 | 09/10/91 | Schneiderman | | | |
| | AW | 5,081,993 | 01/21/92 | Kitney et al. | | | |
| | AX | 5,109,860 | 05/05/92 | Gelly et al. | | | |
| | AY | 5,117,831 | 06/02/92 | Jang et al. | | | |
| | AZ | 5,174,296 | 12/29/92 | Watanabe et al. | | | |
| | BA | 5,176,141 | 01/05/93 | Bom et al. | | | |
| | BB | 5,183,048 | 02/02/93 | Eberle | | | |
| | BC | 5,186,177 | 02/16/93 | O'Donnell et al. | | | |
| | BD | 5,199,437 | 04/06/93 | Langberg | | | |
| | BE | 5,240,003 | 08/31/93 | Lancee et al. | | | |
| | BF | 5,243,988 | 09/14/93 | Sieben et al. | | | |
| | BG | 5,257,629 | 11/02/93 | Kitney et al. | | | |
| | BH | 5,273,045 | 12/28/93 | Chihara et al. | | | |
| | BI | 5,320,104 | 06/14/94 | Fearnside et al. | | | |
| | BJ | 5,351,691 | 10/04/94 | Brommersma | | | |

*A.S.**de Munn**5/29/4*

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
224396SERIAL NO.
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U.S. PATENT DOCUMENTS

| EXAMINER'S INITIALS | | PATENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------------|----|------------------|------------|--------------------|-------|----------|----------------------------------|
| <i>a.s.</i> | BK | 5,359,760 | 11/01/94 | Busse et al. | | | |
| | BL | 5,368,037 | 11/29/94 | Eberle et al. | | | |
| | BM | 5,402,791 | 04/04/95 | Saitoh et al. | | | |
| | BN | 5,423,220 | 06/13/95 | Finsterwald et al. | | | |
| | BO | 5,453,575 | 09/26/95 | O'Donnell et al. | | | |
| | BP | 5,467,779 | 11/21/95 | Smith et al. | | | |
| | BQ | 5,479,930 | 01/02/96 | Gruner et al. | | | |
| <i>a.s.</i> | BR | 5,493,541 | 02/20/96 | Snyder | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-------------|----|--------------------|---------------------|---------------|-------|----------|-------------|-----|
| | | | | | | | YES | NO* |
| <i>a.s.</i> | CA | 1 402 192 | 02/22/72 | Netherlands | | | | |
| | CB | GB 2208138A | 03/01/89 | Great Britain | | | | |
| | CD | GB 2208138B | 03/01/89 | Great Britain | | | | |
| | CE | WO 88/09150 | 12/01/88 | WIPO | | | | |
| | CF | WO 89/04142 | 05/18/89 | WIPO | | | | |
| | CG | WO 93/02809 | 02/18/93 | WIPO | | | | |
| | CH | WO 93/15419 | 08/05/93 | WIPO | | | | |
| | CI | JP 54149615 | 11/24/79 | Japan | | | | |
| | CJ | EP 0145429 | 06/19/85 | EPO | | | | |
| | CK | EP 0671221 | 09/13/95 | EPO | | | | |
| <i>a.s.</i> | CL | GB 2287375A | 09/13/95 | Great Britain | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|-------------|----|--|
| <i>a.s.</i> | DA | Lockwood et al., "A 45 to 55 MHz Needle-Based Ultrasound System for Invasive Imaging," <u>Ultrasonic Imaging</u> , 15 (1), 1-13 (January 1993) |
| | DB | Martin et al., "An Ultrasonic Catheter for Intravascular Measurement of Blood flow: Technical Details," <u>IEEE, SU 27 (6)</u> , 277-286 (November 1980) |
| | DC | Black et al., "CMOS Chips for Invasive Ultrasound Imaging," <u>IEEE Journal of Solid-State Circuits</u> , 29 (11), 1381-1387 (November 1994) |
| | DD | Bom et al., "Early and Recent Intraluminal Ultrasound Devices," <u>International Journal of Cardiac Imaging</u> , 4, 79-88 (1989) |
| <i>a.s.</i> | DE | O'Donnell et al., "Experimental Studies on an Efficient Catheter Array Imaging System," <u>Ultrasonic Imaging</u> , 17 (2), 83-94 (1995) |

*A concise statement of relevance is being submitted in lieu of a translation. 37 CFR § 1.98(b).
1449FORM (Rev. 3/6/96)

ali *Drum*

5/29/04